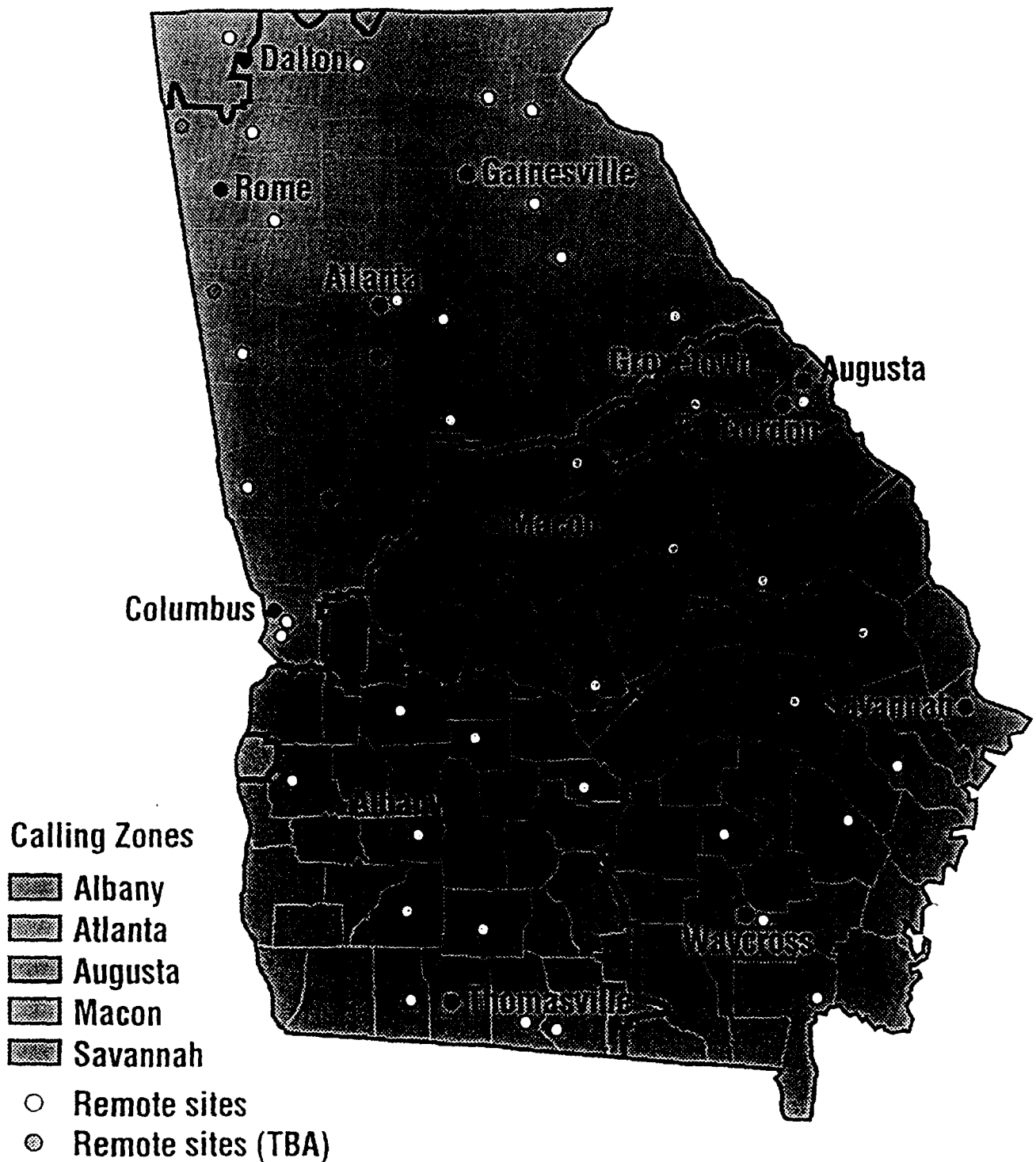


Local Access Transport Areas (LATA)

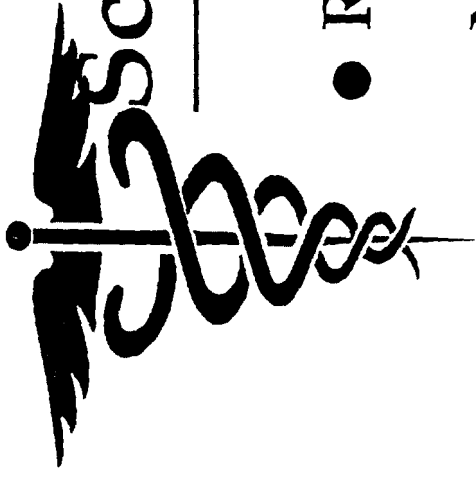




Network Development

- Public-Private Partnership
- World's Largest and Most Comprehensive Distance Learning and Health Care Network
- Network Backbone
- Averaged Fees for Sites
- Continual Monitoring, Reporting, Improvement





Scheduling Consult Requests

- Routine
- Non-routine
- Emergency



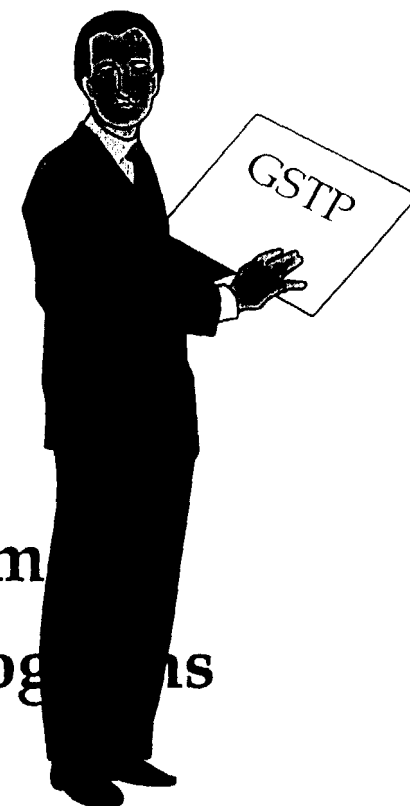
Network Update

- **GSAMS**
 - Internet Scheduling
 - Current Scheduling
- **State of Georgia/MCI Internet Program**
 - Educational Agencies and Intrastate Government
 - 85-92% of population; 55-60% of geographic area



Operational Implementation Review

- Integration with Existing Operations
- Single Point of Contact
- Standardized
 - Rooms/Equipment
 - System Validation
 - Procedures and Protocols
 - Forms
- Comprehensive Training Program
- Comprehensive Maintenance Programs





The Challenge - Integrating and Managing Diversity

- Primary, Secondary and Tertiary Hospitals
- Community Health Care Centers
- Health Departments
- Doctor's Offices
- County Jails
- Prisons

Top Physician-Provided Services --- Georgia

- Neurology
- Psychiatry
- Cardiology
- Dermatology
- Infectious Diseases



Top Non-Physician-Provided Services --- Georgia

- Occupational Therapy
- Physical Therapy
- Speech Therapy
- Rehabilitation Therapy



GSTP Facts

- Improves Access to Medical Specialty Care throughout the State
- An Average of 92% of Patients are Retained in Local Communities
- 35% of Georgia Counties have a Telemedicine Site, serving 80% of counties



GSTP Facts, con't

- Utilization has Increased More than 60% in the Past Year
- The Average Time per Consultation is 26 Minutes



TELEMEDICINE TUTORIAL

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Enabling Technologies

- Video compression hardware and software
- High capacity digital communications
- High resolution image capture and display
- Accessible information systems

Telemedicine Components

- Room camera
- Patient exam camera
- Microcamera and adaptors
- Document Camera
- S-VHS tape recorder with time base corrector
- Electronic stethoscope
- Full duplex conversational audio
- Teleradiology (optional)
- Fax machine

- PC with frame grabber, VGA, and CD ROM
- Software to acquire, transmit, annotate, and save in a database for later retrieval
- Uninterruptable power supply
- CSU/DSU with remote diagnostic access
- Touch panel control system

The Future

- More integration of equipment, software
- Application specific configurations
- Standards defining technical performance needed for each TM application
- Easy access by WAN, LAN to home, office
- Telemedicine email
- Decision support systems